

VpCI®-101

DESCRIPTION

With Cortec®'s unique VpCI®-101 emitter, protecting sensitive surfaces from corrosion has never been easier. Designed specifically for enclosed, non-ventilated spaces (such as control boxes, cabinets, toolboxes, etc.), each VpCI®-101 device protects up to 1 ft³ (28 L) of interior volume.

By slowly releasing Vapor phase Corrosion Inhibitors (VpCI®) into the enclosed environment, VpCI®-101 forms a molecular barrier on all metal surfaces inside, including recessed or otherwise hard-to-reach surfaces, providing more consistent and reliable corrosion protection than conventional sprays or coatings.

Ideal for sensitive, critical, or complex multi-metal applications, such as electronics or highly specialized parts and components, VpCI®-101 provides long-term protection against corrosion even in adverse environments, including salt, moisture, airborne contaminants such as sulfur gasses, and other harsh conditions.

FEATURES

- Economical and easy to use, with quick and easy application
- Provides up to 24 months of continuous protection
- Effective during operation, shipment, storage, or shutdown
- Never interferes with electrical, optical, or mechanical performance
- Effective in polluted and humid environments
- Multi-metal protection
- Non-hazardous and safe to handle
- Compact, space-saving, and unobtrusive
- Free of nitrites, silicones, and phosphates
- No spraying, wiping, or dipping required
- Molecular VpCI® layer makes for zero fuss cleanup, with no degreasing required
- Self-stick back and date label
- NSN #6850-01-338-1392

PACKAGING & STORAGE

Each VpCI®-101 is 3" (7.6 cm) x 1.25" (3.2 cm) x 0.25" (0.6 cm) and protects up to 1 ft³ (28 L) per device, with 50 individually wrapped devices packaged per carton. To ensure best product performance, keep sealed in original packaging, indoors, and out of direct sunlight at 40–100° F (4–38° C).

Shelf life: 2 years

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TYPICAL APPLICATIONS

VpCI®-101 is extremely simple and convenient to install. At the earliest possible time — ideally during manufacturing or assembly — simply select a space within the enclosure, peel the adhesive backing, and press onto an inconspicuous surface free of oil or debris. Once sealed, the Vapor phase Corrosion Inhibitors will migrate from the device onto the metal surfaces inside, forming a barrier against corrosive conditions.

VpCI®-101 is ideal for:

- Electrical equipment in operation, in storage, or in packaging
- Marine navigation and communication equipment
- Aerospace electrical controls
- Electric motors
- Switching equipment
- Fuse and power boxes
- Medical equipment
- Electrical wireways and terminal boxes
- Scientific and measuring instruments
- Telecommunications equipment and remote electronic devices
- Hand-held battery-operated devices
- Toolboxes, parts storage, and any other container with sensitive metals inside

NOTES

For interior volumes greater than 1 ft³ (28 L), use more than one device or upgrade to VpCI®-105 or VpCI®-111. If enclosure is not airtight or requires frequent or heavy maintenance, replace VpCI®-101 more often than every 24 months. Contact Cortec® Technical Service for guidance on frequency of replacement for specific applications.

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